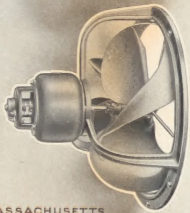


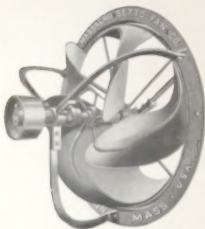
621.6

Fans
Mass.

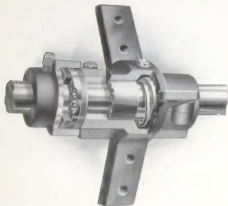
DA VENTILATING FANS



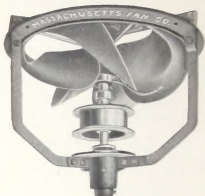
MASSACHUSETTS
FAN COMPANY
WATERTOWN, MASS.



Davidson Propeller Fan



THE frame is of wrought and cast iron. The blades, which are compound curved to prevent back lash and avoid noise, are of flanged steel in the standard type; of copper, or galvanized steel when so required. Cast iron, babbitt lined bearings with large oil reservoirs and ring oilers insure constant lubrication. End thrust on the shaft is taken up by a series of hardened steel balls carried in a brass ring between steel collars. The fan on opposite page is right hand. Fans may be made left hand to order.

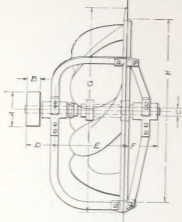


Davidson
Propeller Fan
with vertical shaft

THE Davidson Fan arranged for vertical shaft driving is fitted with a special extra large adjustable lower or thrust bearing made up of hardened steel discs running in a bath of oil. The entire weight of the fan and shaft is also carried by this bearing. The upper or guide bearing is of the ball and socket type lined with a removable graphite bushing. No lubrication or attention is necessary. In all other respects the vertical fans are identical with those of the horizontal type.

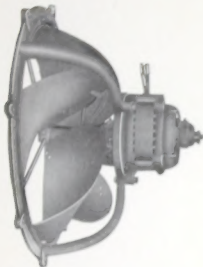
Diameter in inches	PULLEY FAN				ELECTRIC FAN	
	Steel Blades	Copper Blades	Galv. Blades	Weight	Price	Weight
12	\$ 30	\$ 37	\$ 33	12	Upon Application	Upon Application
18	40	50	44	46		
24	60	75	65	63		
30	80	95	85	110		
36	100	120	107	160		
42	125	150	135	230		
48	150	205	300		
54	185	248	520		
60	225	290	600		

In larger sizes up to 120 in., the pulley or motor is usually supported independently.



Principal Dimensions in Inches

Size	Pulley		Shaft	D	E	F	G	H
	A	B						
12	3	1 $\frac{1}{4}$	$\frac{3}{8}$	2 $\frac{3}{8}$	6	3	15 $\frac{1}{4}$	13
18	5	2	$\frac{1}{2}$	4 $\frac{1}{8}$	9 $\frac{1}{2}$	4 $\frac{1}{8}$	22 $\frac{1}{4}$	19 $\frac{1}{4}$
24	5	2	$\frac{1}{2}$	4 $\frac{1}{8}$	10 $\frac{1}{2}$	4 $\frac{3}{8}$	28 $\frac{1}{2}$	25 $\frac{1}{4}$
30	6	2 $\frac{3}{8}$	1 $\frac{1}{8}$	5	12 $\frac{1}{4}$	5 $\frac{1}{4}$	35 $\frac{1}{4}$	31 $\frac{1}{4}$
36	7	3	1 $\frac{1}{8}$	5 $\frac{1}{2}$	14 $\frac{1}{8}$	5 $\frac{3}{4}$	41 $\frac{1}{2}$	38
42	8	3 $\frac{1}{2}$	1 $\frac{1}{8}$	6 $\frac{1}{4}$	17 $\frac{1}{2}$	7 $\frac{1}{8}$	48 $\frac{1}{2}$	44
48	9	4	1 $\frac{1}{8}$	7 $\frac{1}{4}$	19 $\frac{1}{2}$	7	53 $\frac{1}{4}$	49 $\frac{1}{4}$
54	12	5	1 $\frac{1}{2}$	9 $\frac{1}{8}$	22 $\frac{1}{2}$	8 $\frac{3}{4}$	61 $\frac{1}{4}$	55 $\frac{1}{4}$
60	12	5	1 $\frac{1}{2}$	9 $\frac{1}{8}$	23 $\frac{1}{8}$	8 $\frac{1}{2}$	66 $\frac{1}{2}$	61 $\frac{1}{2}$

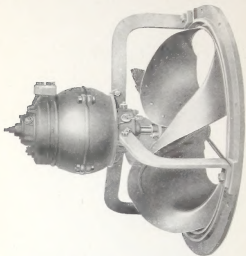


**Davidson Fan
and General Electric
alternating-current motor**

Built in following sizes:

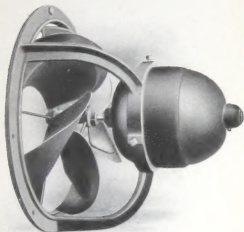
Single phase 18 in. to 36 in.

Polyphase 18 in. to 42 in.



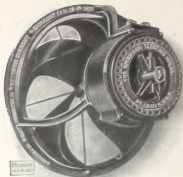
**Davidson Fan
and Sprague
direct-current motor**

Built in sizes 18 in. to 60 in.



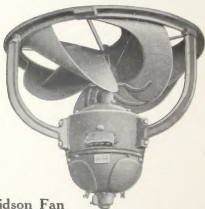
**Davidson Fan
and Peerless
direct-current motor**

Built in sizes 18 in. to 48 in.



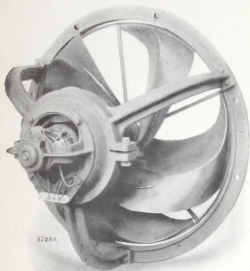
Davidson Fan and Emerson Motor

Built in sizes 12 in. to 24 in. Single phase alternating current.



Davidson Fan with Diehl direct-current motor

Built in sizes 12 in. to 60 in. Also with horizontal shaft.



**Davidson Fan
with Fort Wayne
direct-current motor
Northern type**

Built in sizes 18 in. to 60 in.
Also with closed motor or on special
order with vertical shaft.

Massachusetts Fan Company

General Office and Works
WATERTOWN, MASS.

Branch Offices

New York	Cleveland
Philadelphia	Pittsburg
Chicago	St. Paul